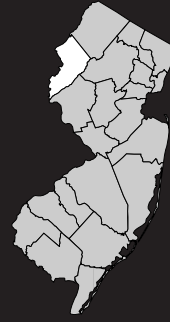


Warren County



WARREN

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Edison Road & Cliffside Drive Ground Water Contamination

Edison Road & Cliffside Drive

Franklin Township

Warren County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Trichloroethylene

STATUS

Confirmed

Potable Water

Trichloroethylene

Treating

FUNDING SOURCES

Spill Fund

Corporate Business Tax

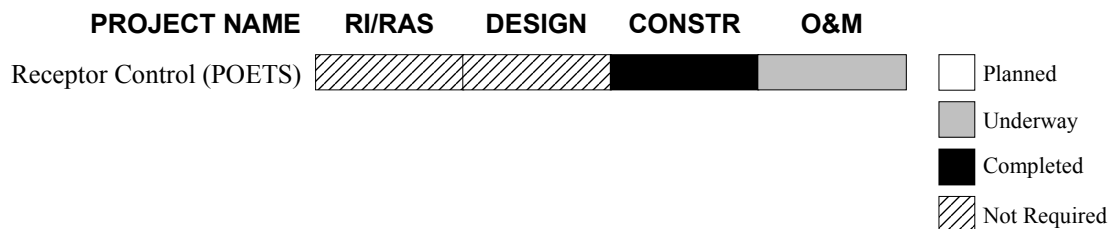
AMOUNT AUTHORIZED

\$172,000

\$50,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Warren County Health Department and NJDEP's Response Element between 2002 and 2003 identified more than 50 private potable wells in this area that were contaminated with trichloroethylene (TCE) at levels exceeding the New Jersey Drinking Water Standard for this volatile organic compound. NJDEP installed Point-of-Entry Treatment (POET) systems on the contaminated wells to supply potable water for the residents while the site was under evaluation. NJDEP believes the potable well contamination in this area is part of the Pohatcong Valley Ground Water Contamination Superfund site. Future activities related to the potable well contamination in this area may be handled by USEPA as part of that investigation.



Hope Auto Care

Route 611

Hope Township

Warren County

BLOCK: 100 **LOT:** 2600

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Auto Repair Facility
OPERATION STATUS: Active

PROPERTY SIZE: 1 Acre

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Treating

Potable Water

Volatile Organic Compounds

Treating

Soil

Volatile Organic Compounds

Partially Removed/Treating

FUNDING SOURCES

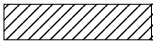
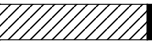

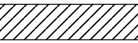













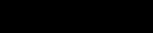
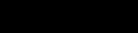

AMOUNT AUTHORIZED

Spill Fund	\$418,000
Hazardous Discharge Site Cleanup Fund	\$455,000
Underground Storage Tank Trust Fund	\$181,000
1986 Bond Fund	\$120,000
Corporate Business Tax	\$206,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

The Hope Auto Care site is located in a rural area where residents rely on private wells for potable water supplies. Formerly a gasoline service station, the site is currently an automotive repair facility. While the facility was a service station, several underground tanks were used to store gasoline, kerosene and waste oil. In 1989 the property owner excavated two leaking underground storage tanks that contaminated the soil and ground water. Approximately 90 tons of petroleum hydrocarbon-contaminated soil were removed along with the tanks, but some contaminated soil was left in place. Gasoline-related volatile organic compounds were detected in two nearby private potable wells and Hope Auto Care was identified as a Potentially Responsible Party for the contamination.

In 1990 NJDEP's Remedial Response Element installed Point-of-Entry Treatment (POET) systems on the contaminated private potable wells, began a long-term potable well sampling program to protect other residents with private wells in the area, and installed a remediation system to extract and treat the contaminated ground water at the site. NJDEP later installed a soil vapor recovery extraction (SVE) system at the site to address the residually-contaminated subsurface soil, excavated the two remaining underground storage tanks and 150 additional tons of petroleum hydrocarbon-contaminated soil. NJDEP shut down the ground water remediation system in 1996 after sampling of on-site monitor wells showed that contaminant levels in the ground water were below New Jersey Drinking Water Standards. However, subsequent sampling indicated contaminant levels had increased to slightly above ground water quality criteria. NJDEP restarted the ground water treatment system in 1999 and will continue to operate the system until ground water quality criteria are achieved.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Soil & Drum Removal					 Planned
Ground Water Remediation and SVE					 Underway
UST Removal					 Completed
Receptor Control (POETS)					 Not Required

Petro 31

440 Route 31 North

Washington Borough

Warren County

BLOCK: 78 **LOT:** 9.01

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Gasoline Service Station
OPERATION STATUS: Active

PROPERTY SIZE: 0.5 Acre

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Confirmed

Potable Water

Volatile Organic Compounds

Treating

FUNDING SOURCES

Spill Fund

Corporate Business Tax


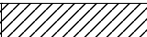






AMOUNT AUTHORIZED

\$10,000

\$200,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

This gasoline service station is located at the intersection of Route 31 and Asbury-Anderson Road. Sampling conducted in 2001 revealed a nearby private potable well was contaminated with the gasoline additive methyl tertiary-butyl ether (MTBE). NJDEP directed the owner of Petro 31 to investigate the service station for discharges and evaluate additional potable wells in the area for contamination. The service station owner removed contaminated soil and leaking underground storage tanks from the property and identified five other nearby private wells were contaminated with MTBE at levels exceeding the New Jersey Drinking Water Standard for this compound. The service station owner installed Point-of-Entry Treatment (POET) systems on the contaminated wells to supply potable water for the residents but did not monitor or maintain the units. NJDEP's Remedial Response Element delineated the Currently Known Extent (CKE) of the potable well contamination in 2003. NJDEP is maintaining the POET systems and periodically sampling private potable wells in the area to monitor ground water quality.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M
Receptor Control (POETS)				
		Planned		
		Underway		
		Completed		
		Not Required		

Pohatcong Valley Ground Water Contamination

Route 643 to Route 31

Washington Township

Warren County

BLOCK: Various **LOT:** Various

CATEGORY: Superfund
Federal Lead

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: 5,600 Acres

SURROUNDING LAND USE: Residential/Industrial

MEDIA AFFECTED

CONTAMINANTS

STATUS

Ground Water

Trichloroethylene
Tetrachloroethylene

Delineating

Potable Water

Trichloroethylene
Tetrachloroethylene

Alternate Water Supply Provided/Treating

Soil

Trichloroethylene
Tetrachloroethylene

Investigating/Delineating

FUNDING SOURCES

AMOUNT AUTHORIZED

1986 Bond Fund

\$12,000

Superfund

\$6,600,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

The Kittatinny Limestone Aquifer, which serves as the sole source of potable water for private wells and municipal wells in the Pohatcong Valley, is contaminated by volatile organic compounds from an unknown source. The site encompasses portions of Franklin Township, Washington Township and Washington Borough. The contamination was discovered in the late 1970s, when high levels of tetrachloroethylene (also known as perchloroethylene, or PCE) were detected in two local public supply wells. One of the supply wells was closed and a carbon filtration system was installed on the other to address the contamination. In the mid-1980s the Warren County Health Department determined private potable wells at 79 properties in the region were contaminated with volatile organic compounds and these were later connected to public water lines. USEPA added the Pohatcong Valley Ground Water Contamination to the National Priorities List of Superfund sites (NPL) in 1989.

In 1999 USEPA began a Remedial Investigation and Feasibility Study (RI/FS) to delineate the soil and ground water contamination, evaluate cleanup alternatives and investigate possible sources areas. The RI/FS field work has included installing ground water monitor wells and temporary well points, sampling private wells at off-site properties, and conducting soil sampling, soil gas surveys, aquifer testing and a geological survey. Evaluation of ten possible sources areas is also underway. USEPA sampled private potable wells at approximately 30 residences during the RI/FS but did not find any that were contaminated at levels exceeding Drinking Water Standards.

NJDEP recently discovered chlorinated volatile organic compounds in private potable wells at two downgradient residential areas previously believed to be outside the plume area. Due to the similarity of the contaminants, USEPA will investigate this contamination as part of the Pohatcong Valley Ground Water Contamination site. USEPA subsequently divided the site into two Operable Units (OU): the ground water contamination in the original study area, including the potential source areas (OU1), and the recently discovered ground water contamination in the downgradient areas (OU2). USEPA expects to complete the RI/FS for OU1 and issue a Record of Decision (ROD) outlining final remedial actions for this area in 2004. USEPA is preparing to conduct a separate RI/FS for OU2.

PROJECT NAME

RI/FS

DESIGN

CONSTR

O&M

Sitewide

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☐ Planned

☒ Underway

☐ Completed

☐ Not Required

White Township Regional Ground Water Contamination

Rockwell & Beechwood Roads White Township Warren County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Trichloroethylene

STATUS

Delineating

Potable Water

Trichloroethylene

Treating

FUNDING SOURCES

Spill Fund

1981 Bond Fund









AMOUNT AUTHORIZED

\$2,000

\$9,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by NJDEP's Remedial Response Element and a property owner in 2003 identified nine private potable wells in this area that were contaminated with trichloroethylene (TCE) at levels exceeding the New Jersey Drinking Water Standard for this volatile organic compound. The source of the contamination is unknown. NJDEP installed Point-of-Entry Treatment (POET) systems on the contaminated wells to supply potable water to the residents. The Remedial Response Element plans to conduct additional private potable well testing in 2004 and will use the findings to delineate the Currently Known Extent (CKE) of the potable well contamination. Property owners with contaminated wells will have to rely on POET systems for potable water because public water lines are not available in this area.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
					 Underway
					 Completed
					 Not Required